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Research Subject	Development of ICT systems along needs of medical/welfare staff		
Keywords	Medicine, Welfare, ICT systems		

Research Outline

In Japan, along with population aging, numbers of a patient and person requiring cares (patient etc.) have already increased, and are considered to further continuous increase. On the other hand, labor population is decreasing in connection with a decrease in the birthrate. Improving labor efficiency is called for from both medicine and care. Also, the safety of the staff and patients must be ensured. Therefore, after examining from each field of an instrument, and a network and an investment framework, this research aims to develop and offer the system according to the staff's demand.

Specifically, in addition to "the medical device operation management system using RFID tags" and "the sleeping condition identification the system", both of which have already been in development, systems adapted to the needs of the staffs, such as "an injection confirming system at nurses' station", are to be developed.

Specific Features

I have worked in the university hospital over 18 years, and have involved to the regional medical information system over 3 years. I could grasp on-site needs through this experience from not only physicians but nurses, pharmacists, and care staff, etc. Development of the systems mentioned above is started as results. Demands of these systems are high. I aim at providing for society these systems as a product. Therefore, research and development of them is desirable to be in cooperating with some companies, and so far, most of all my development have been carried out in cooperation.

Following knowledge will be required as elements of this research.
- Knowledge about medical organization
- The actual condition of the network spread
- Knowledge about the structure of data exchange
- Knowledge about security technology and its employment